	Application No.	Applicant(s)	
Notice of Allowability	10/664,617 Examiner	SHAH, VIPUL J. Art Unit	
y	CAGIIIIIGI	Artonic	
	Ling-Siu Choi	1713	
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject t	plication. If not included n will be mailed in due course. THIS	
1. This communication is responsive to <u>05/26/2006</u> .			
2. The allowed claim(s) is/are 31-84.			
3. Acknowledgment is made of a claim for foreign priority un	nder 35 U.S.C. § 119(a)-(d) or (f).		
a) ☐ All b) ☐ Some* c) ☐ None of the:			
 Certified copies of the priority documents have 	been received.		
Certified copies of the priority documents have	been received in Application No	·	
3. Copies of the certified copies of the priority documents have been received in this national stage application from the			
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements	
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give			
5. CORRECTED DRAWINGS (as "replacement sheets") mus	st be submitted.		
(a) ☐ including changes required by the Notice of Draftspers		-948) attached	
1) hereto or 2) to Paper No./Mail Date	•		
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the C	Office action of	
Identifying indicia such as the application number (see 37 CFR 1, each sheet. Replacement sheet(s) should be labeled as such in the			
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.			
Attachment(s)	5 Decision (1) Consult	2.4.4.4.11.11. (DTO 450)	
1. Notice of References Cited (PTO-892)		Patent Application (PTO-152)	
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da 8), 7. ☑ Examiner's Amendi	(PTO-413), ite	
 Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 	8), 7. 🛛 Examiner's Amendi	ment/Comment	
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. Examiner's Statement	ent of Reasons for Allowance	
	9. Other		

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DETAILED ACTION

This Office Action is in response to the Amendment filed May 26, 2006. Claims 1-1. 30 were canceled and claims 31-84 are now pending, wherein claims 31, 39, 59, and 72 are independent claims.

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Examiner's Amendment

2 An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CAR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Ms Cynthia R. Moore on June 19, 2006.

3. The application has been amended as follows:

Claim 73, line 1, delete "hydrocarbyl or".

Allowable Subject Matter

4. Claims 31-84 are allowed.

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5. The following is an examiner's statement of reasons for allowance:

The present claims are allowable over the closest references: Gjerde et al. (US 6,355,791 B1).

A me	ethod of separating a mixture of analytes, comprising		
1	applying the mixture of analytes to a chromatography sorbent comprising		
	polymer beads of aromatic vinyl monomers substituted with		
	hydrocarbyl, halocarbyl substituents, or combinations thereof,		
	comprising from 1 to 1,000,000 carbon atom		
	wherein the aromatic vinyl monomers or the hydrocarbyl substuents or both		
	have been functionalized by halogenation,		
	provided that when the vinyl aromatic monomers are brominated, bromination is		
	performed utilizing electrophilic aromatic substitution; and		
2	removing polar analytes from the chromatography sorbent by a hydrophilic		
	solvent wash		
2	removing polar analytes from the chromatography sorbent by a hydrophilic		

(summary of claim 31)

Gierde et al. disclose a method to separate a mixture of double stranded polynucleotide fragments having up to 1500 base pairs, the method comprising (a) applying the mixture to a polymeric separation medium having non-polar surfaces, wherein the surfaces are characterized by being substantially free from multivalent cations which are free to bind with DNA, wherein the surfaces are the surfaces of the interstitial spaces of a polymeric monolith and (b) separating the mixture of polynucleotides, wherein the polymeric monolith includes poly(styrene-divinylbenzene) which is brominated to move the remaining double bonds on the surface thereof

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(Example 7; claims 1 and 9). Thus, Gjerde et al. do not teach or fairly suggest a method of separating a mixture of analystes by using a chromatography sorbent comprising polymer beads of aromatic vinyl monomers substituted with hydrocarbyl, halocarbyl substituents, or combinations thereof, wherein the aromatic vinyl monomers or the hydrocarbyl substuents or both have been functionalized by halogenation and when the vinyl aromatic monomers are brominated, bromination is performed utilizing electrophilic aromatic substitution.

In light of the above discussion, it is evident as to why the present claims are patentable over the prior art.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ling-Siu Choi whose telephone number is 571-272-1098.

If attempt to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu, can be reach on 571-272-1114.

LING-SUI CHOI PRIMARY EXAMINER

Lichri

June 15, 2005

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